



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Certification under 37 CFR §1.10 (if applicable)

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Date of Deposit

I hereby certify that this transmittal and the documents and/or fees hereon and attached hereto have been deposited as "Express Mail Post Office to Addressee" in accordance with 37 CFR §1.10, with Express Mail Label Number above listed.

Valerie Peterson

(Print Name of Person Mailing Application)

(Signature of Person Mailing Application)

Transmittal of Utility Patent Application
for Filing Under 37 CFR §1.53(b)

Mail Stop: Patent Application

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir: Transmitted herewith for filing is a patent application by inventors: Yongsam Moon, Deog-Kyoon Jeong and Gijung Ahn, and entitled:

VOLTAGE CONTROLLED OSCILLATOR

1. Enclosed are:

- ☒ This Transmittal letter
- ☒ One stamped, self-addressed postcard for PTO datestamp
- ☒ Certificate of Express Mail
- ☒ One utility patent application containing: 15 pages Specification; 3 pages Claims; and 1 page Abstract; and ☒ 11 Sheets of drawings
- ☒ Copy of Declaration and Power of Attorney For Original U.S. Patent Application (signed)
- ☒ Check to cover fees below described

2. U.S. Priority

- ☒ This is a continuation of co-pending U.S. Patent Application entitled "Frequency Comparator With Hysteresis Between Locked And Unlocked Conditions", serial number 10/356,695 (attorney docket no. 59472-8086.US01), filed on January 30, 2003, and is incorporated herein by reference, which is a continuation of U.S. Patent Application entitled "0.6-2.5 Gbaud CMOS Tracked 3X Oversampling Transceiver With Dead Zone-Phase Detection for Robust Clock Data Recovery", serial number 10/305,254 (attorney docket no. 59472-8079.US01) filed on November 25, 2002 and is incorporated by reference, which claims the benefits of U.S. Provisional Patent Application entitled "0.6-2.5 Gbaud CMOS Tracked 3X Oversampling Transceiver With Dead Zone-Phase Detection for Robust Clock Data Recovery", serial number 60/333,439 (attorney docket no. 59472-8079.US00), filed on November 26, 2001, and is incorporated herein by reference. U.S. Patent Application entitled "Frequency Comparator With Hysteresis Between Locked And Unlocked Conditions", serial number 10/356,695 (attorney docket no. 59472-8086.US01), filed on January 30, 2003 (which the present application is a continuation of) is also a Continuation-in-Part and claims the benefits of U.S. Patent Application entitled "Implementing an Oversampling Transceiver with Dead-Zone Phase Detection", serial number 09/948,123 (attorney docket no. 59472-8055.US01) filed on September 5, 2001, which is also incorporated herein by reference.

- ☐ Conditional Petition for Extension of Time: An Extension of Time is requested to provide for timely filing if required to establish copendency with the parent after all papers filed herewith have been considered.

3. Foreign Priority

- ☐ Priority of Application No. _____ filed in Japan on _____ is claimed under 35 USC §119. ☐ - A certified copy of this priority document is enclosed.
- ☐ Priority of Application No. _____ filed in Japan on _____ is claimed under 35 USC §119. ☐ A certified copy of this priority document is enclosed.

4. Fees

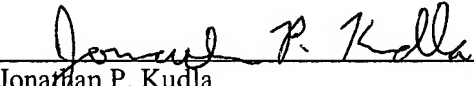
The filing fee has been calculated as shown below:

For:	(Col. 1) No. Filed	(Col. 2) No. Extra	Small Entity			Other Than a Small Entity	
			Rate	Fee		Rate	Fee
Basic Fee				\$370.00	Or		\$740.00
Total Claims	20 - 20	0	X \$ 9 =	\$	Or	X \$ 18 =	\$.00
Independent Claims	3 - 3	0	X \$42 =	\$	Or	X \$ 84 =	\$.00
<input type="checkbox"/> Multiple Dependent Claim Presented			+ \$140 =	\$	Or	+ \$280 =	\$ -0-
<input checked="" type="checkbox"/> Assignment recordation fee (\$40)							\$.00
*If the difference in Col. 1 is less than zero, enter "0" in Col. 2.			TOTAL	\$	O r	TOTAL	\$740.00

- ☐ Applicant claims small entity status. See 37 CFR §1.27.
- ☒ Check no. 1648 in the amount of \$740.00 is enclosed to cover the Filing Fees.
- ☐ Please charge Deposit Account No. 50-2207 in the amount of \$_____.
- ☐ The Commissioner is hereby authorized to charge fees under 37 CFR §1.16 and §1.17 which may be required, or credit any overpayment to Deposit Account No. 50-2207.
- ☐ ***Filing fee to be submitted in response to anticipated receipt of Notice to File Missing Parts of Application. DO NOT CHARGE DEPOSIT ACCOUNT.**

Respectfully submitted,
Perkins Coie LLP

Date: July 3, 2003


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